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ISSES – Information Security Services  
Education in Serbia

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# Steering Committee Meeting #9

Hybrid meeting on September 27<sup>th</sup>, 2021

<b>Author(s)/Organisation(s):</b>
Imre Lendak / UNS
<b>Date of meeting:</b>
September 27 <sup>th</sup> , 2021
<b>Relevant Work Package(s):</b>
WP7 – Project Management
<b>Short Description:</b>
Minutes of the 9 <sup>th</sup> Steering Committee (SC) meeting
<b>Keywords:</b>
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Revision	Date	Author(s)	Status	Description
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## 1 Meeting agenda

The Steering Committee (SC) meeting was organized as part of a 3-day project event consisting of administrative meetings and part of the project team presenting the key project results at the eSecurity Conference in Belgrade on September 29<sup>th</sup>, 2021.

The detailed agenda is shown below.

### Sunday, September 26<sup>th</sup>: Travel to Nis

September 27 <sup>th</sup> , Monday	
08:30 – 09:00	Arrival, registration
09:00 – 10:30	Quality Board meeting: Focus on courses
10:30 – 11:00	Coffee break
11:00 – 12:00	QB meeting: Focus on labs
12:00 – 13:00	Lunch
13:00 – 15:00	Steering Committee meeting
15:15	Joint picture and meeting with mass media
	Free time
20:00 – 23:00	Dinner - Restaurant “Nišlijaska Mehana”

September 28 <sup>th</sup> , Tuesday	
10:00 – 12:00	Administrative and financial wrap-up of the ISSES project
12:00 – 13:00	Visit to the Science-technology park of the UNI (P6)
13:00 – 14:30	Lunch
14:30 – 16:00	Visit to the Nis fortress

September 29 <sup>th</sup> , Wednesday	
10:00 – 12:00	Project administration meeting
12:00 – 13:00	Lunch
13:00 – 14:30	Financial audit management meeting
14:30 – 15:00	Coffee Break
15:00 – 15:45	Meeting wrap-up and closure

Note: Multiple representatives of the project team transferred to the eSecurity Conference which was held in Belgrade, starting on September 29<sup>th</sup>, 2021. They presented the project results and the Serbian Cybersecurity Challenge 2021.

### Thursday, September 30<sup>th</sup>: Travel home

## **2 Steering Committee meeting – Minutes of the Meeting**

The project Steering Committee (SC) meeting was held on September 27<sup>th</sup>, 2021 in a hybrid format, both onsite at the University of Nis and on the Zoom platform.

### **2.1 Attendees**

The Steering Committee meeting was attended by following SC members:

1. Imre Lendák / UNS
2. Levente Buttyán / CrySys
3. Žarko Stanisavljević / UB-ETF
4. Dejan Simić / UB-FON
5. Dragan Stojanović / UNI
6. Dejan Rančić / ICUN
7. Róbert Pintér / VTS

Giulia Moro and Jessica Rosalba Giampaolo represented the EACEA during the meeting.

### 3 WP1 – Project Preparation

Task statuses are shown in the table below

ID	Title	Deadline	Status	LFM KPI
1.1	Baseline Curricula Report	M1-M3		3/1 report
1.2	Repository of Information Security Concepts	M1-M4		1/1 Repository – needs a few minor updates
1.3	Course Development Plan (CDP)	M3-M5		1/1 CDP
1.4	Laboratory Development Plan (LDP)	M4-M6		1/1 LDP

## 4 WP2 – Course Development

Part 1 of WP2 status is shown in the table below.

Note: the figures under column header “Curricula” represent the number of lectures + the number of labs developed.

ID	Title	Interval	LFM KPI			
			Curricula	Text-book	Accredited	Taught
2.1	Critical Infrastructure Security	M13-M21	10+6	1	2*	1*
2.2	Secure Software Development	M6-M12	12+7	1	2	2*
2.3	Cloud Security		<b>Note:</b> Merged into 2.15			
2.4	Security and privacy in the Internet of Things	M16-M24	12+9	1	1	0
2.5	Advanced Cryptography	M16-M24	9+6	1	2	1
2.6	Advanced Network Security	M7-M15	13+9	2	2	2*
2.7	Cyber Security Strategies	M7-M15	13+2	0	2	2
2.8	Security in E-business Systems		Note: Substituted by 2.14			

Additional notes related to courses 2.1 through 2.7:

- 2.1 will be taught in the 2021/2022 winter term (starting in November 2021) as part of the Master in Applied Software Engineering program (UNS – P1)
- 2.2 & 2.6 taught in both 2019/2020 & 2020/2021 – will be taught in the coming school year as well
- 2.2 textbook in print
- 2.5 textbook is in an advanced stage
- 2.6 textbook’s 2nd edition in print
- 2.9 taught as part of the Master 4.0 joint program

Part 2 of the WP2 status overview is shown in the table below.

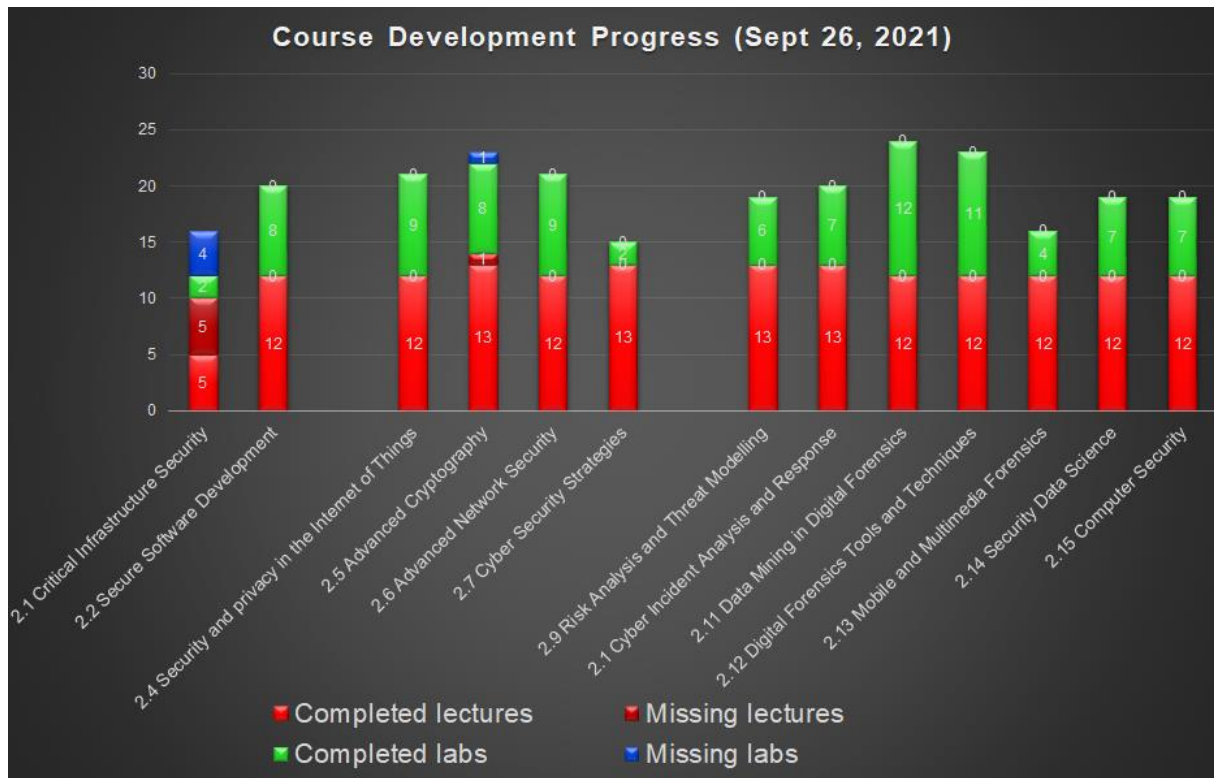
ID	Title	Interval	LFM KPI			
			Curricula	Textbook	Accredited	Taught
2.9	Risk Analysis and Threat Modelling	M25-M33	13	1	2	0
2.10	Cyber Incident Analysis and Response	M9-M17	13+7	0	3	2
2.11	Data Mining in Digital Forensics	M17-M24	12+12	0	2	0
2.12	Digital Forensics Tools and Techniques	M13-M21	12+11	0	3	2

2.13	Mobile and Multimedia Forensics	M22-M30	12+4	0	2	0
2.14	Security Data Science	M20-M34	12+7	0	1	0
2.15	Computer Security	M19-M33	12+7	0	2	0

Additional notes related to courses 2.9 through 2.15:

- 2.10: Taught as part of the Master 4.0 joint program, i.e. non-ISSES program
- 2.12: Successfully accredited as part of existing & re-accredited programs – also taught at the UNS (P1) & UNI (P6) in the 2020/2021 schoolyear
- 2.13, 2.14, 2.15 course contents completed since last meeting (June 2021)

A graphical course development status is shown in the next diagram.



It was agreed during the meeting that the limited missing content will be uploaded on the project website by October 1<sup>st</sup>, 2021.



## 5 WP3 – Laboratory Development

All laboratory equipment was concluded. The additional book procurements with the remaining Equipment funds were managed during 2021.

ID	Title	Deadline	Status	LFM KPI
3.1	Lab Design: Critical Infrastructure Security Laboratory (CIS Lab)	M13		Documentation incomplete
3.2	Lab Design: Digital Forensics Laboratory (DF Lab)	M13		
3.3	Lab Design: Network Security Laboratory (NS Lab)	M13		
3.4	Lab Design: Cloud Security Laboratory (CS Lab)	M14		
3.5	Hybrid CIS, CS and NS Lab implementation (P1)	M14-M24		Documentation incomplete
3.6	Hybrid NS and Crypto Lab Implementation (P5)	M14-M21		
3.7	Hybrid NS and IoT Lab implementation (P6)	M18-M24		Documentation incomplete
3.8	DF Lab Implementation – Belgrade (P5)	M13-M24		
3.9	DF Lab Implementation – Nis (P6)	M25-M30		
3.10	DF Lab Implementation – Novi Sad (P1)	M31-M36		
3.11	Hybrid CS and IoT Lab Implementation (P9)	M15-M24		

## 6 WP4 – Study Program Development

We discussed WP4 – Study Program Development in detail. Imre Lendak reported that the study program documentation of P1 passed the review and was awaiting final approval of the NEAQA. Rober Pinter reported that the P9 study program (task 4.3) was accredited by the NEAQA and that they enrolled 16 students in the 4-semester program.

The overview of WP4 is shown in the table below.

ID	Title	Dead-line	Sta-tus	LFM KPI
4.1	MSc Program: Information Security	M31		0/1 Master implemented 0/10 students enrolled
4.2	MSc Program: Information Security and Digital Forensics	M27		0/1 Master implemented 0/10 students enrolled
4.3	MSc Program: Security in the Cloud and Internet of Things	M31		1/1 Master implemented 16/10 students enrolled

Additional notes related to the study program development:

- NOTE: 4.1 and 4.2 were red, now they are in the finish line → blue coloring.
- 4.1 passed review and awaiting formal approval by the NEAQA. 4.1 was delayed by the complete re-accreditation process at the Faculty of Technical Sciences (FTS) of the University of Novi Sad, which was originally scheduled to be completed for the 2019/2020 school year and was delayed by a complete school year. This delay significantly delayed the 4.1 accreditation process, which was approved to be done after the complete re-accreditation process was concluded.
- 4.2 transformed into an MSc module and submitted for accreditation. This module was submitted as part of the complete re-accreditation process of the FOS/UB based on management decision. That process in turn was delayed and was still in process during the September 2021 SC meeting.
- 4.3 submitted in 2018, re-submitted in June 2020, review received, NEAQA visit in April-May 2021 & NEAQA approval for start with student enrollment in September 2021
- Additional programs:
- MSc module in Computer Systems Security accredited @ UNI (P6) – October 2019
- Master 4.0 “Digital Serbia”, Joint MSc program with the P5 & P6 – Accredited in September 2019. Requested by the government, consumes P5 & P6 resources.

Giulia Moro expressed her concern and repeated that the project consortium might have to pay penalties if the programs are not accredited and students are not enrolled. She also told the project team that if the program is accredited before the Final Report deadline of December 14<sup>th</sup>, 2021, then those results should be included in the FR as well.



## 7 Supporting work packages WP5-WP7

### 7.1 WP5 – Quality

WE held separate Quality Board meetings during the 2-day event. We repeated that we received an excellent and very usable External Quality Assessment (EQA) from Cefriel, an Italian R&D company in early September 2021.

WP5 status was discussed in detail based on the tabular overview shown below.

ID	Title	Deadline	Status	LFM KPI
5.1	Quality Plan	M3		1/1 QP
5.2	Annual Course Quality Report			8/13 course quality reports
5.3	Annual Laboratory Build Report			0/7 lab quality reports
5.4	Quality Board Meeting			5/5 QB meetings meetings
5.5	External Quality Assessment			1/1 external quality assessment

A more detailed overview of the course quality process is shown in the table below.

Dev task	Due	IQA	Next step
2.1 Crit.inf.sec.	May 31		P1 (Imre) to complete course by Oct 1, 2021
2.2 Sec.software dev.	Feb 28	OK	
2.4 IoT	May 31	OK	
2.5 Crypto	Mar 31		P1 (Imre) to complete content (1 lecture) P5 (Pavle) to review
2.6 Network	Feb 28		P8 (Viktor) compile IQA report in template
2.7 Strategies	Feb 28	OK	
2.9 Risk	Mar 31	OK	
2.10 Incident	Mar 31	OK	
2.11 Data mining	Jan 31	OK	
2.12 Forensics	Jan 31	OK	
2.13 Mobile &mult.	Mar 31	OK	

2.14 Sec. Data Science	May 31		P1 (Veljko) to complete IQA
2.15 Computer Security	May 31		P4 (Stefano) to complete IQA

A more detailed overview of the lab quality process is shown in the table below.

Dev task	Due	IQA	Next step
3.5 Hybrid CIS, CS and NS Lab implementation (P1)	Apr 30		P1 (Imre) to complete report by Oct 1 P3 (Tamas) to complete IQA
3.6 Hybrid NS and Crypto Lab Implementation (P5)	Mar 31	OK	P8 (Viktor) to complete IQA
3.7 Hybrid NS and IoTs Lab implementation (P6)	May 31		P6 (Dragan) to complete report P4 (Stefano) to complete IQA
3.8 DF Lab Implementation – Belgrade (P5)	May 31		P3 (Simić) to complete report Bača, Predić, Gostojić, Simić to review
3.9 DF Lab Implementation – Nis (P6)	May 31		P6 (Stojanović) to complete report Bača, Predić, Gostojić, Simić to review
3.10 DF Lab Implementation – Novi Sad (P1)	May 31		Bača, Predić, Gostojić, Simić to review
3.11 Hybrid CS and IoT Lab Implementation (P9)	Apr 30		Stefano/Dragan to review

We agreed that we are behind with lab reports, which are due as the procurements were finished in 2020.

## 7.2 WP6 – Dissemination and Exploitation

We discussed WP5 status based on the tabular task status overview shown below.

ID	Title	Deadline	Status	LFM KPI
6.1	Dissemination Plan (DP)	M2		1/1 DP
6.2	Exploitation Plan (EP)	M3		1/1 EP
6.3	Annual Project Workshop	M11, M23, M35		3/3 project workshops 3/3 attendance lists & Zoom-shots
6.4	Mass Media Dissemination	M1-M36		~10/36 mass media disseminations ~50/72 disseminations via social media
6.5	Security Services Roundtable	M11, M23, M35		3/3 roundtables
6.6	Web portal setup and maintenance	M1-M36		1/1 web portal set up & regularly maintained

6.7	Sustainability Plan (SP)	M24-M36		1/1 SP
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We re-iterated that the project team secured the support of the Cybersecurity Network Foundation in the context of project sustainability.

### 7.3 WP7 – Management

We discussed the status of WP7 tasks with the support of the tabular task overview below.

ID	Title	Deadline	Status	LFM KPI
7.1	Brussels Kick-of Meeting	M2		1/1 meeting + attendance lists
7.2	Project Kick-off Meeting	M3		1/1 meeting + attendance lists
7.3	Project Steering Committee Meeting	6 pcs		9/6 meetings + attendance lists
7.4	Project Coordination	M1 – M36		Work in progress
7.5	Financial Plan	M3		1/1 Financial Plan (document)
7.6	Interim and Final Report	M18, M36		1/1 Interim Report (IR) 0/1 Final Report (FR) 0/1 external financial report – contracted, underway

We also repeated that the Interim Report as a weak point, as it was poorly graded by the EACEA as it was incomplete when submitted. It was subsequently extended and we hope that Final Report (FR) will be well-received. Giulia Moro explained that she hopes that the weak IR will hopefully not affect the final acceptance of the project in the EACEA. Giulia Moro asked the project team to rely in their intra-institution experience with past CBHE projects and ask experienced coordinators and administrators to review the FR before final submission.

Giulia Moro asked the project partners to continue filling in the Erasmus+ results platform.

We reviewed the project budget status as well and asked the partners who are behind with their project documentation submissions to submit asap.

At the end of the meeting we discussed spin-off projects with a specific emphasis on the Serbian Cybersecurity Challenge, a national hackathon for students studying in Serbian HEIs. The SCC was organized in both 2020 and 2021 and as part of the ISSES project’s dissemination activities. Ms Moro told the project team to list all spin-off activities in the relevant part of the FR.

## 8 Next actions and meetings

We proposed the next action items:

- Manage project finances in a timely manner.
- Complete missing teaching content by Oct 1, 2021.
- Complete the internal quality process before the end of the project.
- Continue with Serbian Cybersecurity Challenge in 2022 as it is a key piece of project sustainability.
- Submit the FR by Dec 14, 2021.